

APPARATUS AND METHOD FOR SCANNING MULTIPLE ARRAYS OF BIOLOGICAL PROBES

Abstract of Disclosure

A multi-array scanning system is described for scanning arrays of microarrays disposed on a substrate. The system includes a scanner apparatus that detects emission signals from the microarrays. The scanner typically has an excitation radiation source, a focusing system, an emission detector, a data acquisition system, and a controller to move a translation stage. The microarrays may be focused upon and then scanned sequentially. The system also includes a convertible processing apparatus having a separating member and one or more containing members. The separating member is constructed and arranged so that, when it is disposed in a first position with respect to the containing members, the microarrays are fluidically separated from each other by the separating member, and, when the separating member is disposed in a second position with respect to the containing members, the microarrays are fluidically coupled with each other.

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